

ABSTRACT

A thin-film magnetic head substrate according to the present invention includes: a ceramic base with a principal surface; and an undercoat film, which covers the principal surface of the ceramic base. An electrical/magnetic transducer is provided on the undercoat film. The substrate further includes an intermediate layer between the principal surface of the ceramic base and the undercoat film. The intermediate layer is made of a material other than an aluminum oxide and has been patterned so as to make a portion of the principal surface of the ceramic base contact with the undercoat film.